

*FILED BY: DAVID ALEKSEYEVICH*  
VOLOTSKOY, Nikolay Vasil'yevich; ZIL'BER, David Aleksandrovich; KNORRING,  
Gleb Mikhaylovich; LAZAREV, D.N., redaktor; ZAKHAROV, P.P., redaktor;  
ZABRODINA, A.A., tekhnicheskij redaktor

[Fluorescent lighting] Luminentsentnoe osveshchenie. Moskva, Gos.  
energ. izd-vo, 1955. 304 p. (MLRA 9:2)

(Electric lighting, Fluorescent)

ZIL'BER, D. A.

AID P - 1490

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 5/19

Author : Zil'ber, D. A., Prof.

Title : The effectiveness of luminescent lighting from the hygienic point of view

Periodical : Gig. i san., 2, 20-28, F 1955

Abstract : Discusses the effect of luminescent light on the eyes and the whole organism from the medical point of view, describes various tests, and points out the advantages of luminescent as compared with incandescent illumination. In industrial shops lighted by luminescent lamps the workers' efficiency is considerably increased. 2 diagrs., 14 ref., 1947-1953

Institution: Leningrad Chemical and Pharmaceutical Institute

Submitted : F 2, 1954

212 PER, 27

AID P - 2177

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 19/22

Authors : Zil'ber, D. A., Prof., and Knorring, G. M., Kand. of  
~~Techn. Sci.~~

Title : Ya. E. Neyshtadt. New Sources of Light and their Effect  
on Man. Moscow, 1952. 170 pp. (Book Review)

Periodical : Gig. i san., 4, 57-60, Ap 1955

Abstract : An unfavorable review of the above book. Table

Institution : None

Submitted : No date

ZIL'BER, D.A., professor; VOLOTSKOY, N.V., kandidat tekhnicheskikh nauk; TELYAT'IEV, V.V., inzhener.

Letter to the editor. Svetotekhnika 2 no.6:28-29 N '56.  
(Leningrad--Subways) (Electric lighting) (MIRA 9:12)

ZIL'BER, D.A., professor.

Questions of lighting hygiene. Svetotekhnika 3 no.2:5-9 F '57.

(MLBA 10:3)

(Fluorescent lighting)

ZILBER, D. H.

ways of improving illumination in school buildings. (School lines - signed)

ZIL'BER, D.A.; OLEKHNOVICH, A.I.

Fluorescent lighting of pharmacies. Apt. delo 12 no.6:20-  
23 N-D '63. (MIRA 17:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

*CLL'BER*  
ZIL'BER, D.A., prof. *D.A.*

Elements of Lighting engineering in physics textbooks for secondary  
schools. Svetotekhnika 3 no.12:29-30 D '57. (MIRA 11:1)

(Bibliography--Lighting)  
(Bibliography--Optics, Physical)



~~ZILBER, D.H.~~  
DANTSIG, M.M., professor; ZILBER, D.A., professor

Standards for artificial lighting in anticipation of a forthcoming  
revision [with summary in English]. Gig. i nan., 22 no.8:25-30  
Ag '57. (MLRA 10:9)

(ILLUMINATION  
new standards in indust. & public buildings)

ZIL'BER, D.A.

ZIL'BER, D.A., prof.

"Industrial noise and its control" by I.I. Slavin. Reviewed by  
D.A. Zil'ber. Gig. 1 san. 22 no.12:83-84 D '57 (MIRA 11:3)  
(NOISE) (SLAVIN, I.I.)

ZIL'BER, D.A., prof.; ASHKENAZI, G.I., inzh.; SHEPTAL', Ye. B., kand. tekhn. nauk

Lighting problems of schools. Svetotekhnika 4 no. 8:24-25 Ag '58.

(MIRA' 11:7)

(School houses--Lighting)

ZIL'BMR, D.A., prof.; TELYAT'YEV, V.V., inzh.

Experimental lighting installation "ribbed ceiling." Svetotekhnika  
4 no.9:7-8 S '58. (MIRA 11:8)  
(Fluorescent lighting--Testing) (School houses--Lighting)

ZIL'BER, D. A.

"Achievements and problems of hygiene of industrial lighting."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists  
and Infectionists, 1959.

ZIL'BER, D.A.

Comments on V.P. Solov'ieva's article "Materials for a physiological basis for a work and rest schedule for mental workers." Gig.truda i prof.zab. 3 no.1:56 Ja-P '59. (MIRA 12:2)  
(INDUSTRIAL HYGIENE)  
(SOLOV'IEVA, V.P.)

TIKHODEYEV, P.M.; FEDOROV, B.F.; VOLOTSKOY, N.V.; TELYAT'YEV, V.V.; ZIL'BER, D.A.;  
SAPOZHNIKOV, R.A.; SHAYKEVICH, A.S.; KNOHRING, G.M.; SEREBRYAKOV, V.M.;  
DADIOMOV, M.S.; LEVIT, G.O.

Professor Viacheslav Vasil'evich Novikov; on his 70th birthday.  
Svetotekhnika 5 no.2:30 F '59. (MIRA 12:1)  
(Novikov, Viacheslav Vasil'evich, 1888-)

ZIL'BER, D.A., prof.; GUREVICH, I.Ya., kand.med.nauk

Standards of artificial illumination for drugstores and drug warehouses. Apt.delo 8 no.5:8-12 S-O '59. (MIRA 13:1)

1. Iz Leningradskogo khimiko-farmatsevticheskogo instituta.  
(LIGHTING) (DRUGSTORES)



ZIL'BER, D.A.

"Gigiena truda i professional'nye zabolevaniia," nos.1-6,  
1957. Reviewed by D.A.Zil'ber. Gig. i san. 24 no.3:87-  
89 Mr '59. (MIRA 12:5)

(INDUSTRIAL HYGIENE--PERIODICALS)

DANTSIG, N.M.; ZIL'BER, D.A.

New standards for artificial lighting. Gig. truda i prof. zab.  
4 no. 7:36-38 JI '60. (MIRA 13:8)

(LIGHTING-STANDARDS)

ZIL'BER, D.A., prof.; TEMYAT'YEV, V.V., inzh.

Plenum of the lighting engineering section of the Central  
Committee of the Main Administration of the Scientific and  
Technical Society of the Power Industry. Svetotekhnika 9  
no.10:30-31 0 '63. (MIRA 16:11)

ZIL'BER, D.A., prof.; TELYAT'YEV, V.V., insh.

Lighting of outside show windows. Svyetotekhnika 6 no. 12:13-16  
D '60. (MIRA 14:1)

(Show windows--Lighting)

ZIL'BER, D.A., prof.

Some hygienic problems in planning new units and in reconstructing  
operating drugstores. Apt. delo 10 no. 2:15-19 Mr-Ap '61.

(MIRA 14:4)

1. Leningradskiy khimiko-farmatsevticheskiy institut.  
(DRUGSTORES—HYGIENIC ASPECTS)

ZIL'BER, D.A., prof.; TELYAT'YEV, V.V., inzh.

"Electrical lighting of stores" by D.A.Velikoretskii. Reviewed  
by D.A.Zil'ber, V.V.Teliat'ev. Svetotekhnika 9 no.1:29-30  
Ja '63. (MIRA 16:1)  
(Electric lighting) (Stores, Retail—Lighting)  
(Velikoretskii, D.A.)

ZIL'BER, D.A.

The hygiene of illumination in the new stage of its development.  
Gesk. hyg. 7 no.1:8-13 F '62.

1. Leningradsky chemickofarmaceuticky ustav.  
(LIGHTING)

ZIL'BER, D.A., prof. (Leningrad)

Conference on artificial lighting for industrial buildings without  
windows or clerestories. Gig.i san. 26 no.1:119-120 Ja '61.

(MIRA 14:6)

(INDUSTRIAL BUILDINGS—LIGHTING)



ZIL'BER, D.A., prof.; OSTROVSKIY, M.M.

Hygienic characteristics of ways of improving working conditions in the chemical and pharmaceutical industry. Gig. i san. 26 no.2:18-23, F '61. (MIRA 14:10)

1. Iz Leningradskogo khimiko-farmatsevticheskogo instituta.  
(LENINGRAD--DRUG INDUSTRY--HYGIENIC ASPECTS)

GUREVICH, I.Ya.; ZIL'BER, D.A.

Working conditions and sanitary measures in the production of  
galenic preparations. Trudy Len. khim.-farm. inst. no.14:  
339-346 '62 (MIRA 17:2)

ZIL'BER, D.A., prof.

Hygienic requirements of artificial illumination. Gig. i san. 25  
no.3:73-77 Mr '60. (MIRA 14:5)

1. Iz Leningradskogo khimiko-farmatsevticheskogo instituta.  
(LIGHTING)

BOGUSLAVSKIY, Ya.M.; ZIL'BER, D.A.; KRIVITSKAYA, E.I.

"Hygiene of the general technical training of pupils" by A.IA.Gutkin.  
Reviewed by IA.M.Boguslavskii, D.A.Zil'ber, E.I.Krivitskaia. Gig.  
1 san. 25 no.3:115-117 Ag '60. (MIRA 13:11)  
(SCHOOL HYGIENE) (GUTKIN, A.IA.)

*ZIL'BER, G.A.*  
ZIL'BER, G.A.

Brief physicogeographical description of "Little Polesye."

Nauk.zap. L'viv un. 39:94-105 '56.

(MIRA 11:1)

(L'vov Province--Physical geography)

ZIL'BER, G.A.

Characteristics of the Opol'ye natural-historical region in  
Lvov Province. Nauk.zap.L'viv.un. 28:84-96 '54. (MLRA 9:10)

(Lvov Province--Physical geography)

ZIL'BER, G.A.

History of the development of land forms in the southwestern part  
of Volhynia and Podolia. Nauk. zap. L'viv. un. 40:214-230 '57.  
(MIRA 11:6)

1. Gosudarstvennyy universitet im. Iv. Franko, L'viv.  
(Ukraine--Physical geography)

ZIL'BER, G.A.

Characteristics of the landscape of Lvov Province. Dop. ta pov.  
Lviv.un. no.6 pt.2:10-11 '55. (MIRA 10:3)  
(Lvov Province--Physical geography)



ZIL'BER, G.A., starshiy prepodavatel'.

Some characteristics of Lvov Province surface waters. Dop.ta  
pov.L'viv.un. no.4, pt.2:11-13 '53. (MLRA 9:11)

(Lvov Province--Water supply)

~~Starshiy~~ G. A., starshiy prepodavatel'.

Paleogeography of Lvov Province. Dop.ta pov.L'viv.un. no.4,  
pt.2:16-20 '53. (MLRA 9:11)

(Lvov Province--Paleogeography)

ZIL'BER, G.A.

Plan for dividing Lvov Province into natural history regions.  
Dop. ta pov. L'viv. un. no.5 pt.2:65-68 '55. (MLRA 9:10)

(Lvov Province--Physical geography)

**PROBLEMS AND PROPERTIES INDEX**

24

**B**

**Calculation of Axial and Bending Stresses of Operating  
Blades of Gas and Steam Turbines. (In Russian.) G.  
S. Zhuravskii and G. S. Zilber, Koltsoobstroenie  
(Boiler and Turbine Manufacture), Mar.-Apr. 1947,  
p. 15-17.**

Theoretically analyzes existing method for the  
above calculation. On the basis of obtained data, a  
new and simplified method is proposed.

**METALLURGICAL LITERATURE CLASSIFICATION**

**621.774.01(47)**

**147082 #1**

**MAK I 1A**

ZIL'BERBLAT, G.S.; GOLOVANOV, N.N.

Automatic device for continuous control of the oxygen consumption  
by developing Protozoa cultures. Lab. delo no.2:112-115 '65.

(MIRA 18:2)

1. Laboratoriya protivorakovykh preparatov (zaveduyushchiy chlen-  
korrespondent AMN SSSR prof. N.G. Klyuyeva) Gosudarstvennogo nauchno-  
issledovatel'skogo kontrol'nogo instituta meditsinskikh biologicheskikh  
preparatov im. L.A. Tarasevicha (zamestitel' direktora po nauchnoy chasti  
prof. A.T. Kravchenko). Konsul'tant raboty - inzh. V.M. Eygenbrot.

ZIL'BER, L.A.

Role of viruses in the etiology of cancer. Izv. AN SSSR. Ser.  
biol. no.2:167-179 Apr '63. (MIRA 17:5)

1. Academy of Medical Sciences of the U.S.S.R., Moscow.

ZIL'BER, L.A.; SHAPIRO, V.S.; GARDASH'YAN, A.M.; MITROFANOV, V.M.

Mouse cysts produced by the administration of extracts of  
adenomatous pulmonary tissue from sheep. Vop.virus. 7 no.3:  
288-291 My-Je'62. (MIRA 16:8)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamalei,  
Moskva i Kirgizskiy sel'skokhozyaystvennyy institut imeni  
K.I.Skryabina, Frunze.  
(CYSTS) (TUMORS--TRANSPLANTATION)

ZIL'BER, L.A., prof., red.; VERSHILOVA, P.A., prof., red.  
ZUYEV, V.A., red.

[Current problems in immunology] Aktual'nye voprosy immunologii. Moskva, Meditsina, 1964. 359 p.

(MIRA 17:9)

1. Deystvitel'nyy chlen AMN SSSR (for Zil'ber). 2. Chlen-korrespondent AMN SSSR (for Vershilova).



ZIL'BER, L. A.

"Neinfektsionnye virusy."

report presented at Symp on Virus Diseases, Moscow, 6-9 Oct 64.

Institut epidemiologii i mikrobiologii im N. F. Gamalei, Moskva.

ZIL'BER, L.A.; BAYDAKOVA, Z.L.; GARDASH'YAN, A.F.; KONOVALOV, N.V.;  
~~and~~ BUNINA, T.L.; BARABADZE, Ye.M.

Study of the etiology of amyotrophic lateral sclerosis.  
Vest. AMN SSSR 18 no.6:32-39 '63. (MIRA 17:1)

MURONTSEV, S.N., prof., otv. red. [deceased]; ANAN'IN, V.V., prof., red.; VYGODCHIKOV, G.V., prof., red.; ZIL'BER, L.A., prof., red.; MILENUSHKIN, Yu.I., kand. biol. nauk, red.; PAVLOV, P.V., prof., red.; TROITSKIY, V.L., prof., red. [deceased]; SHEVTSOV, D.G., red.; GRACHEVA, N.P., kand. med. nauk, red.

[Problems of infectious pathology and the experimental therapy of infections (on the 60th birthday of Professor Kh.Kh. Planel's, Corresponding Member of the Academy of Medical Sciences of the U.S.S.R.); transactions of the Institute] Voprosy infektsionnoi patologii i eksperimental'noi terapii infektsii (k 60-letiiu so dnia rozhdeniia chlena-korr. AMN SSSR prof. Kh.Kh.Planel'sa); trudy instituta. Pod obshchey red. S.N. Murontseva. Moskva, 1963. 495 p. (MIRA 17:7)

1. Akademiya meditsinskikh nauk SSSR, Moscow. Institut epidemiologii i mikrobiologii. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina, direktor Instituta epidemiologii i mikrobiologii im. N.F.Gamalei AMN SSSR (for Murontsev). 3. Deystvitel'nyy chlen AMN SSSR (for Zil'ber, Vygodchikov, Troitskiy).

ZIL'BER, L. A.

Smallpox and how to protect oneself from it Moskva, Gos. izd-vo, 1925. 20 p.

1. Small pox.

ZIL'BER, L. A., AND YE. F. SHEKHTER

"The Nature of Antibodies," ZhEBM, 5, 15, 109-115, 1927

ZIL'BER, L. A.

"Proteus XV compared to X 19"  
Ztschr. f. Hyg. 108:146-51. '27

ZIL'BER, L. A.

"Properties of Antibodies."  
Zhu. Exptl. Biol. & Med. 5(15) 109-15. '27 with E. P. Shekhter.

ZIL'BER, L. A.

"Experimental Sepsis lenta(*S.viridans*)."  
'27 with L. Ya. Kats.

Zhu. Exptl. Biol. & Med. 6 (16) 156-67.



ZIL'BER, L. A.

"Mixed Cultures (E. thphosa & P. vulgsris)."  
Zhu. Exptl. Biol. & Med. 7(19) 148-53. '27 with Z. I. Nikolskaya.

ZIL'BER, LÉv Aleksandrovich, 1941

Para-immunity Moskva, 1928. 106 p. Seriya monografii Meditsinskogo fakulteta 1-69  
Moskovskogo gosudarstvennogo universiteta, vyp. 12.

Cyr.40833

1. Immunity.

ZIL'BER, L.A.

"Thermostability of agglutinins (in presence of coagulation inhibitors)."  
Zhu. Microbiol., Bact. Inst. Pasteur USSR 9 (1) 63-5. '29 with Z. I. Nikolskaya.

CO

198

Antigen properties of colloidal metals. I. A. SILBER AND W. FRIEDL. *Zentralbl. exp. Biol. Med.* 11, 124-33(1920).—Long continued intravenous injection of colloidal Fe or Au into rabbits induces in their serum the ability to react with these colloidal metals in great diln. (optn. and alexin fixation) as occurs in the immunization reaction. The curve of the alteration of the serum is analogous to that obtained by immunization with protein.

S. MOWEN LIA

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112

*Handwritten: CN*

**Nature of the anaphylactic shock.** L. A. S. 1938. *Zhurnal ekspl. Biol. Med.* 11, 181-6 (1938).—When a fatal dose of antigen is injected into sensitized guinea pigs mixed with acid, alkali, 0.1 N  $\text{Na}_2\text{CO}_3$ , urea, Na oleate or Germanin the symptoms of shock in most cases are much weakened and the animals survive the injection. It was further shown that no anatoxin is formed in alkalinized serum. It is suggested that factors inhibiting coagulation prevent shock. S. Monod.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

112

ZIL'BER, L. A.

"A new principle for making vaccines. AD vaccine."  
Ztschr. f. Immunitätsforsch. 63:492. '29

ZIL'BER, L. A.

"Thermostability of agglutinins."  
Ztschr. f. Immunitätsforsch. 63:506-9. 1929 with Z. I. Nikolskaya.

ZILBER, I.I.

"Thermostability of antibodies."  
Ztschr. f. Immunitätsforsch. 64:167-72. '29 with Z.I. Nikolskaya.



ZIL'BER, L. A.

"The Instability of Complement."  
Ztschr. f. Immunitätsforsch. 65:285-7. '30

ZIL'BER, L. A.

"Problem of mixed cultures in bacteriology."  
Zhu. MEIB 11:309-19. '33

ZIL'BER, L. A.

"Growth of filterable virus types on non-pathogenic microbes."  
Zentrbl. f. Bakt. I Abt. Orig. 129:369-95. '33 with E. I. Vostukhova.

ZIL'BER, L. A.

"Growth of filterable virus types on yeasts."

Zentrbl. f. Bakt. I Abt. Orig. 129:396-400. '33 with E. I. Vostrukhova.

ZIL'BER, L. A.

"Thermostability of smallpox inoculation material."  
Zhu. Microbiol. & Immunobiol. 12:375. '34

ZIL'BER, L. A.

"Smallpox virus cultures."

Zhu. Micorbiol & Immunobiol. 12:517-23. '34 with E. I. Vostrukhova.

ZILBER, L. A.

"Increase of virulence of smallpox."

Zhu. Mikrob. & Immunob. 12:524-7. 134 with V. D. Timakov

ZIL'BER, L. A.

"Growing viruses on non-pathogenic micorbes."

Zentrbl. f. Bakt. I Abt. Orig. 131+222-32. '34 with E. M. Gossler.



ZIL'BER, L. A.

"Increase of virulence of smallpox in selective ways."  
Zentrlbl. f. Bakt. I Abt. Orig. 132:242-6. '34-35.

ZIL'DER, L. A.

"Smallpox cultures"

Zentrbl. f. Bakt. I Abt. Orig. k32:314-20. '34-'35 with E.I. Vostrukhova.

ZIL'BER, L. A.

L. A. Zil'ber, "On the Symbiosis of Filtrable Viruses with Microorganisms," Priroda,  
no. 8, 1935, pp. 17-23. 410 P933

SO: Sira Si 90-53, 15 Dec 1953

**Bacillary ruqns vaccines.** (AD Vaccines.) L. A. Zilber. 2. *Microbiol. Epidemiol. Immunizatsion*. (U.S. S. R.) 10, 6-23 (in German 22-3) (1935).—Vaccines of killed microorganisms after heating are less active than those of live ones, since the death of the cells leads to a denaturation of the cell proteins, which plays an active part in the immunization capacity of the vaccine. Many compds. (urea, glycerol, sucrose, BrONa, ketones, aldehydes, etc.) formerly thought to have only an anticoagulative effect, are now also shown to possess the capacity for the inhibition of the thermal denaturation of cell protein. The most satisfactory reagent is sucrose. Microorganisms heated with sucrose are less denatured than those heated without sucrose, are more potent and preserve their natural antigenic and immunization action to a greater extent. The antigenic and immunological characteristics of sugar vaccine were studied for *Sal. paratyphi* Breslau, *Eberthella typhosa*, *Salmonella paratyphi*, *Br. abortus equi* and *Pasteurella tularensis* on guinea pigs, dogs, mice and rabbits, and were found to be higher than those for normal vaccine. S. A. Karjala

ZILBER, I. A.

"Immunitet (Immunity), Biomedgiz, 1937

ZIL'BER, L. A.

"Allergy, Anaphylaxis, Immunity. Problems of Theoretical and Practical  
Medicine," Sbornik VI "Klinika i allergiya" (Collection VI "Clinical Practice and  
Allergy"), 1937

ZIL'BER, L. A.

"Antiviral immunity."

Zhu. MEIB 18:516-30. '37 with A. D. Sheboldayeva & A. K. Shubladze.

"The Mechanism of Immunity Against Virus; Communication I: The Role of the Leucocytes in Immunity to Viruses Infectious Herpes and Herpes-Encephalitis," ZhMEI, XVIII, 4, 517, 1937



ZIL'BER, L. A.

"Elimination of virus in the urine as a factor in immunity."  
Zhu. MEIB 18-531-45. '37 with A. K. Shubladze and Al. U. heboldayeva.

ZILBER, L.A. and ARKHINA, E.V.

"Methods for Isolating Epidemic Influenza Virus," Zhu. MEIB,  
V. 18, pp. 554-568, 1937.

Central Virus Lab.

ZIL'B\_R, L. 4.

"On the Rabbit testicular typhus virus."  
Zhu. MEIB 18:585-95. '37 with E. N. Levkovich & O. S. Zak.

ZIL'BER, L. A.

Central Institute Epidemiology and Microbiology (-1944-)

"Louping-ill in the USSR, 'Preliminary Communication'."

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 12, 1944

ZIL'BER, L. A.

Central Institute Epidemiology and Microbiology (-1944-)

"On the mechanism of the antiviral immunity,"

Zhur. Mikrobiol., Epidemiol., i Immunobiol., No. 12, 1944

ZH'BER, L. A.

"Nature of Malignant Tumors," ZHNEI, 3, 43-53, 4-5, 16-25, 1945

SILBER, L. A.

"Mechnikov's Theory of Phagocytosis and Modern Experimental Data." (p. 6)  
by Silber, L. A.

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XX, No. 1, 1945.

ZIL'BER, L. A.

"The virus theory of the origin of malignant Tumors (Virusnaya teoriya proiskhozhdeniya zlokachestvennykh opukholey), Medgiz, 1946.



ZIL'BER, L. A.

"Anti-virus Immunity. III. Natural immunity to grippe."  
Zhu. MEIB (1/2) 81-91. '46 with Z. L. Baidakova and N. L. Blumberg

ZIL'BSR. L. A.

"Mechnikov's Doctrine of Inflammation and Phagocytosis in the Light of  
Present-Day Data," Trudy Ukrainskogo Instituta Epidemiol. i mikrobiol. imeni  
Mechnikova, X, 19-36, Kiev-Kharkov, 1946

**Erythrin**, a new antibiotic substance of animal origin.  
**1. Preparation of erythrin and its properties.** L. A. Zilber and L. M. Yabobova. *Izv. Mikrobiol. Spetsial. Immunol.* 1946, No. 12, 3-9. — Expts. of naturally immune rat liver and spleen, frozen in liquid O<sub>2</sub> with NaCl soln., had a repressing action on diphtheria bacilli. Most consistent results were obtained from preps. of the blood of a variety of animals and man, which was apparently due to a substance contained in the erythrocytes, and which was named erythrin. To isolate the substance the phosphate buffer ext. of pH 7.5 was filtered through cloth, pptd. with strong HCl, the ppt. was extd. with Na<sub>2</sub>CO<sub>3</sub> and the solvent was partially removed in vacuo; the residual soln. was poured into NaCl soln. to yield erythrin in the form of a dark-brown powder, sol. in EtOH, H<sub>2</sub>CO<sub>3</sub>, Na<sub>2</sub>CO<sub>3</sub> soln., and Na citrate, and insol. in H<sub>2</sub>O. The best soln. for capillary studies was 0.25 g. of erythrin in 100 cc. 3.5% Na citrate, prepd. by boiling for 2-3 min. (no loss of activity observed on boiling). The dry material can be stored for months at room temp.; Na citrate solns. can be kept 5-7 days, EtOH solns. 2-3 days; 0.25% Na<sub>2</sub>CO<sub>3</sub> solns. 1-3 days, phosphate buffer soln. 2-3 days. Bacteriostatic levels were (in γ per cc.): diphtheria bacteria, 15-31; *Bacillus*

*brevis*, 15-31; *Staphylococcus*, 31-43; *Streptococcus*, 31-43; cholera, some at 250; typhus bacteria, slight at 250; intestinal bacteria, slight at 250. In vivo expts. with guinea pigs showed protection against diphtheria infection (0.1 cc. of 0.25% soln.) when both were injected simultaneously; if erythrin is injected after the infection, no protection is obtained; this evidently is due to its tendency to remain in situ, i.e., erythrin lacks diffusion characteristics. However, in expts. with monkeys in which diphtheria cultures were placed on the traumatically (burn) disturbed conjunctiva, local application of dressings with erythrin led to rapid disappearance of the symptoms. Preliminary expts. were successful in sanitation of ocular-nasal cavities in human cases with respect to diphtheria-carrying properties.  
 G. M. Kozlovskii

ASB-564 METALLURGICAL LITERATURE CLASSIFICATION

6-37374-12-24

ZIL'BER, L. A.

"Osnovy immunologii (Principles of Immunology), Medgiz, 1947

ZIL'BER, L. A.

"The Viral theory of the occurrence of cancer"  
Trudy 3-y sessii Akad Med. Nauk SSSR, Moscow, 1947, pp. 163-73

ZIL'BER, L. A.

USSR/Medicine - Viruses  
Medicine - Immunity

Nov 1947

"Virology in the USSR," L. A. Zil'ber, Active Mem-  
ber of the Academy of Medical Sciences of the USSR,  
6 pp

"Zhur Mikrobiol, Epidemiol i Immunobiol" No 11

In 1935 when the Academy of Sciences of the USSR was  
moved to Moscow, a new virus section was organized in  
the Microbiological Institute of the Academy by the  
author. This was the first virological section in  
the USSR. It was later united with the newly organ-  
ized department of viruses of the All-Union Institute  
of Experimental Medicine. Article reviews the most

36177

LC  
USSR/Medicine - Viruses (Contd)

Nov 1947

significant work in the field of general and medical  
virology, such as: the biology of viruses, the  
ecologic, geographic principles in the classification  
of viruses, the virus-protein complex, the mechanism  
of immunity to ultraviruses, the action of immunizing  
vaccines on viruses, etc.

36177

ZIL'BER, L. A.

"Problems of Virusology"

Dostizheniya Sov. Med. Nauki ~~zak~~ let. Moscow, 1947, pp 298-306

ZILBER, L.A. and NELMAN, I.M. (Reviewer)

"Virus theory of the origin of malignant tumors," Zhurnal Mikrobiology, 6, pp 75-76, 1947.

SO: Trans.-540, by L. Lulich.



ZIL'BER, L.A.

RT-811 [The virus theory of the origin of cancer] Virusnaia teoriia proiskhozhdeniia raka.

Zhurnal Obshchei Biologii, 8(1): 3-35, 1947, (Translation does not include literature references).

OTS # 54, p. 133

Classification and discussion of the viruses and virus-like agents acting as etiological factors on many malignant and nonmalignant tumors.

SILBER, L. A.

"L. A. Silber, Virus Theory of the Origin of Malignant Growth." (p. 471) Rev. by E. M. Vermel

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XXIII, No. 3,  
May June, 1947

ZIL'BER, Lev Aleksandrovich, 1894-

Principles of immunity Moskva, Medgiz, 1948. 494 p.

1. Immunity.

ZIL'BER, I. A.

"Theory of Immunity in Past and Present," Trudy 2-y sessiya ANU SSSR, Cidel, gigiyeny, mikrobiologii i epidemiologii (Transactions of 2nd Congress of ANU USSR, Department of Hygiene, Microbiology, and Epidemiology), 7-21, Moscow, 1948

ZIL'BER, L. A.

Zil'ber, L. A. "On some mechanics of the physiological immunity," Trudy VI Vsesoyuz. s'yezda det. vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1948, p.315-18

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

ZIL'BER, L. A.

Zil'ber, L. A. "Preliminary results of the study of encephalitis in Belo, Russia", Voprosy med. virusologii, Issue 1, 1948, p. 275-83.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 10, 1949).

ZILBER, L. A.

I. I. Mechnikov and Studies on Immunity

Nauk. na stedstvo. Estestu-nauk. seriya. Vol. 1, 1948, pp 482-519

ZIL'BER, L. A.

PA 18/49T68

USSR/Medicine - Tumors

Medicine - Antigens and Antibodies

Apr 48

"Specific Antigen of Malignant Tumor Cells,"

L. A. Zil'ber, N. V. Nartlesov, T. L. Rykind,

Z. I. Baydakova, Zil'ber's Lab, Acad Med Sci  
USSR, Cen Inst Epidemiol and Microbiol and Prof  
Tsvartitskiy's Lab, Inst of Virology, Acad Med  
Sci USSR), 3 1/2 pp

"Test Ak Med Nauk SSSR" No 3

No previous attempt in isolating specific  
antigens from malignant tumor cells has produced  
convincing results. Authors describe own method,  
whereby an antigen of the nucleoprotein type,  
18/49T68

USSR/Medicine - Tumors (Contd)

Apr 48

absent in normal tissue, was isolated from  
malignant tumor tissues of rats.

18/49T68



ZIL'BER, L. A.


WITH Z. L. Baydakova

Adaptive Variability of Influenza Virus  
Zhur. Mikrobiol. Epidemiol& immunobiol. No. 12, 1948, pp 86-89

ZILBER, L. A.

Member of Academy of Medical Sciences of the USSR

"The Organism's Fight Against Microbes."

Current Digest of the Soviet Press, Vol. I, No. 12, page 53, 1949 (In  Library)

ZIL'BER, L. A.

"Principles of Immunity" Reviewed by B. Ya. El'bert

Sov Kniga, No 2, Moscow, Feb 1949, pp45-48  
CIS 48, p101

ZIL'BER, L. A.

with M. S. Zatcharova and L. M. Popova

Pathogeniety for goats with respect to Scottish "ncephalitis Virus obtained in the Western Regions of the USSR.

Vop. Med. 'irusologii, No. 2, 1949, pp 3-74.